

# i31 IP Video Door Phone User Manual





Wall mounted

In-wall



# **Safety Notices**

- 1. Please use the specified power adapter. If you need to use the power adapter provided by other manufacturers under special circumstances, please make sure that the voltage and current provided is in accordance with the requirements of this product, meanwhile, please use the safety certificated products, otherwise may cause fire or get an electric shock.
- 2. Before using, please confirm that the temperature and environment is humidity suitable for the product to work. (Move the product from air conditioning room to natural temperature, which may cause this product surface or internal components produce condense water vapor, please open power use it after waiting for this product is natural drying).
- 3. Please do not let non-technical staff to remove or repair. Improper repair may cause electric shock, fire, malfunction, etc. It will lead to injury accident or cause damage to your product.
- 4. Do not use fingers, pins, wire, other metal objects or foreign body into the vents and gaps. It may cause current through the metal or foreign body, which may even cause electric shock or injury accident. If any foreign body or objection falls into the product please stop using.
- 5. Please do not discard the packing bags or store in places where children could reach, if children trap his head with it, may cause nose and mouth blocked, and even lead to suffocation.
- 6. Please use this product with normal usage and operating, in bad posture for a long time to use this product may affect your health.
- 7. Please read the above safety notices before installing or using this phone. They are crucial for the safe and reliable operation of the device.



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## A. Product introduction

I31 is a full digital network door phone, its core part adopt mature VoIP solution(Broadcom chipset), stable and reliable performance, Hands-free adopting digital full-duplex mode, Voice loud and clear, video clear, generous appearance, solid durable, easy for installation, comfortable keypad, low power consumption.

I31 support entrance guard control, Video intercom, keyboard, ID card and remote to open the door, and other functions.

## 1. Appearance of the product





Wall mounted

In-wall



# 2. Description

Buttons and icons	Description	Function
	Numeric keyboard	Input password to open the door or calls.
	programmable keys	Can be set to a variety of functions, in order to meet the needs of different occasions
CARD COST	induction zone	RFID induction area
	Lock Status	Door unlocking: On Door locking: Off
(۱۰/2°	Call status	Standby: Off Hold/Blink with 1s Calls: On
$\Diamond$	Ring status	Standby: Off Ringing: On
111	Network/SIP Registration	Network error: Blink with 1s  Network running: Off  Registration failed: Blink with 3s  Registration succeeded: On



## **B. Start Using**

Before you start to use equipment, please make the following installation:

#### 1. Confirm connected

Confirm whether the equipment of the power cord, network cable, electric lock control line connection, the startup is normal. (Check the network state of light)

## 1) Power port

Power supply ways: 12v/DC or POE.

CN16				
1	2			
+12V	GND			
12V 1A/DC				



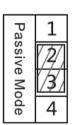
## 2) Electric-lock and indoor switch port

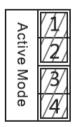
			CN6			
010	5	4	3	2	1	
	NO	СОМ	NC	S_OUT	S_IN	
Appropriate Act	vitch	tric-lock sv	Elect	Indoor switch		



## 3) Driving mode of electric-lock(Default in active mode)







Jumper in passive mode

Jumper in active mode

[ Note ] When in active mode, device can drive 12V/700mA switch output maximum, to which a standard electric-lock or another compatible electrical appliance can be connected.

- When use the active mode, it is 12V DC in output.
- When use the passive mode, output is short control (normally open mode or normally close mode).



# 4) Wiring instructions

• NO: Normally Open Contact.

• COM: Common Contact.

NC: Normally Close Contact.

Driving Mode		Driving Mode			<b>0</b>
Active	Passive	NO	NC	Jumper port	Connections
٧		٧		Active Mode	Door Phone Power Input  12V  S-IS-O NC COM NO  Power Supply  12V/1A  Indoor switch  No electricity when open the door
٧			٧	Active Mode	Door Phone Power Input    12V
	٧	٧		Passive Mode	Indoor switch  Electric lock (normally open type)  No electricity when open the door
	٧		٧	Passive Mode 4	Indoor switch  Electric lock (normally closed type) When the power to open the door
	٧	٧		Passive Mode 4	Door Phone dedicated power supply  NCCOUND POISSI GNR -12V  BBBBBBBBB

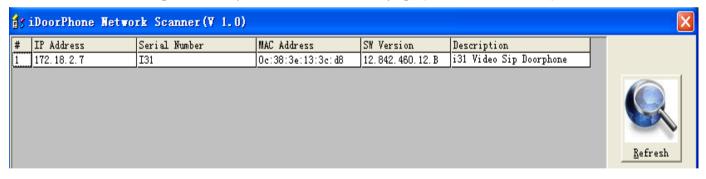


#### 2. Quick Setting

The product Provide a complete function and parameter setting, users may need to have the network and SIP protocol knowledge for understanding the meaning represented by all parameters. In order to let equipment users can quickly enjoy the high quality speech brought by the IP Phone services and low cost advantage, we especially lists the basic and must set options in this section, which let users can real-time started without understanding complex SIP protocols.

In prior to this step, please make sure your broadband Internet online can be normal operation, and complete the connection of the network hardware. The product factory default network mode is DHCP. Thus, only connect equipment with DHCP network environment then network can be automatically connected.

- Press and hold "#" key for 3 seconds and the door phone will report the IP address by voice, or use the "iDoorPhoneNetworkScanner.exe" software to find the IP address of the device.
  - **Note:** when power on, 30s waiting is needed for device running.
- Log on to the WEB device configuration.
- In a SIP page configuration service account, user name, parameters that are required for server address register.
- You can settings DSS key in the Webpage(functions key settings -> function key).
  You can settings function parameters in the Webpage (Intercom-> feature).





## C. Basic operation

#### 1. Answer a call

When calling come, the device automatically answer, in cancel automatic answer and settings automatic answer time, will hear the bell in the set time, automatic answer after a timeout.

#### 2. Call

Configuration shortcut (key1) as hot key and setup a number, then press shortcut keys can call the configured number.

#### 3. End call

Enable Release key hang up to end call.

#### 4. Call record

The device provides 900 call records, when the storage space is exhausted, will cover the first call records. When the device is powered down or reboot, call records will be removed.

You can view the three call records in the Webpage (Door phone/Door log)

## 5. Open the door operation

Through the following seven ways to open the door:

- 1) On the keyboard input password to open the door.
- 2) Access to call the owner; enter the remote to open the door by the owner password to open the door.
- 3) Owner/call access control of other equipment and enter the access code to open the door. (access code to be included in the list to access configuration, and enable for remote calls to open the door)
- 4) Through the RFID Cards to open the door.
- 5) By means of indoor switch to open the door.
- 6) Private access code to open the door.
  - Enable for local authentication, and set private access code. Under the standby directly input the access code to open the door.
- 7) Active URL control command to open the door.

URL is "http://host/cgi-bin/ConfigManApp.com?key=F\_LOCK&code=openCode", "openCode" is to remote open the door code



Access code input correct prompt sowing sirens prompt access control and the remote user, input error by short low frequency chirp.

Password successfully by high-frequency sirens sound prompt, input error is short by high frequency chirp.

When the door opened by playing sirens sound prompt.

## D. Page settings

## 1. Browser configuration

When the device and your computer successfully connected to the network, the on browsers enter the IP address of the device. You can see the Webpage management interface the login screen.

Enter the user name and password and click [logon] button to enter the settings screen.



After configuring the equipment, remember to click SAVE under the Maintenance tab. If this is not done, the equipment will lose the modifications when it is rebooted.

## 2. Password Configuration

There are two levels of access: root level and general level. A user with root level access can browse and set all configuration parameters, while a user with general level can set all configuration parameters except server parameters for SIP.

Default user with general level:

◆ Username: guest

Password: guest

Default user with root level:

Username: admin

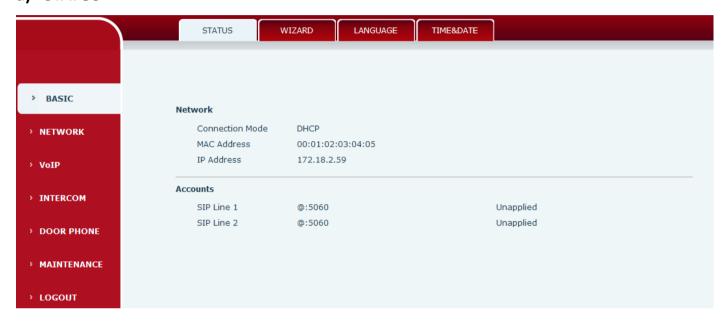
Password: admin



# 3. Configuration via WEB

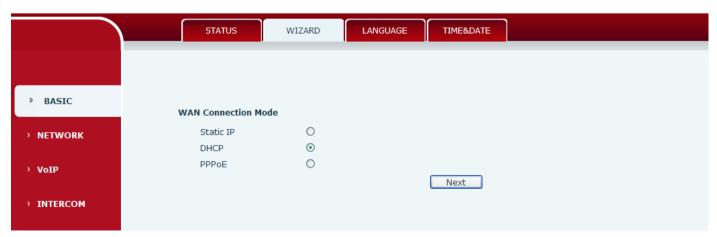
## (1) BASIC

## a) STATUS



Status				
Field Name	Field Name			
Notwork	Shows the configuration information for WAN port, including connection mode of			
Network	WAN port (Static, DHCP, PPPoE), MAC address, IP address of WAN port			
Accounts	Shows the phone numbers and registration status for the 2 SIP LINES.			

## b) WIZARD





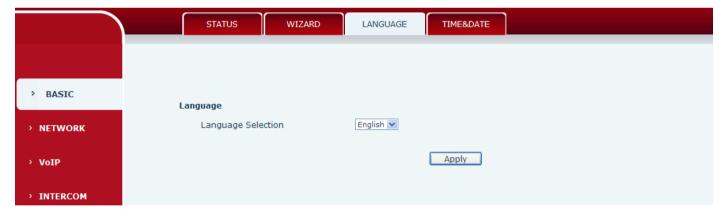
Wizard	Wizard				
Field Name Explanation					
Select the approp	Select the appropriate network mode. The equipment supports three network modes:				
Static IP mode	The parameters of a Static IP connection must be provided by your ISP.				
DHCP mode	In this mode, network parameter information will be obtained automatically from a DHCP server.				
PPPoE mode In this mode, you must enter your ADSL account and password.					
Static IP mode is selected; Click <next> to go to Quick SIP Settings, Click Back to return to the Wizard screen.</next>					
After selecting DHCP and clicking NEXT, the Quick SIP Settings screen will appear. Click Back to return to					

After selecting DHCP and clicking NEXT, the Quick SIP Settings screen will appear. Click Back to return to the Wizard screen. Click <Next> to go to the Summary screen.

If PPPoE is selected, this screen will appear. Enter the information provided by the ISP. Click <Next> to go to Quick SIP Setting. Click Back to return to the Wizard screen.

#### c) LANGUAGE

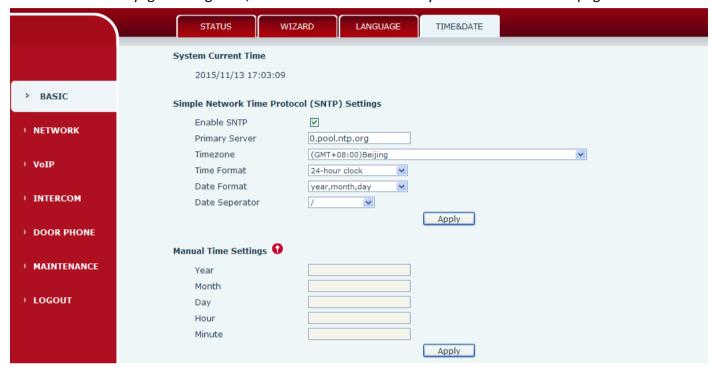
Set the current language.





## d) TIME&DATE

Set the time zone and SNTP (Simple Network Time Protocol) server on this page to automatically obtain time and daylight saving time, manual time and date entry are also done on this page.



Time&Date	Time&Date				
Field Name	Explanation				
System Current T	System Current Time				
Display the currer	nt time				
Simple Network 1	Time Protocol (SNTP) Settings				
Enable SNTP	Enable or Disable SNTP				
Primary Server	IP address of Primary SNTP Server				
Time zone	Local Time Zone				
Time Format	Configuration time format, the default is 24 hours.				
Date Format	Configure date display format, the default is (date) (month) (year)				
Date Seperator	Configure the date seperator				
Manual Time Settings					
Enter the values for the current year, month, day, hour and minute. All values are required.					
Be sure to disable	Be sure to disable SNTP service before entering manual time and date.				



# (2) NETWORK

# a) WAN

	WAN QoS&VLAN	WEB FILTER SECURITY
	WAN Status	
	Active IP Address	172.18.2.59
> BASIC	Current Subnet Mask	255.255.0.0
/ BASIC	Current IP Gateway	172.18.1.1
> NETWORK	MAC Address	00:01:02:03:04:05
	WAN Settings	
› VoIP	Enable Vendor Identifier	Disabled •
	Vendor Identifier	Fanvil-I31
> INTERCOM	Static IP O	DHCP   PPPoE   PPPOE
	Obtain DNS Server Automatically	Enabled V
> DOOR PHONE		
		Apply
> MAINTENANCE		
	802.1X Settings	
> LOGOUT	802.1x Mode	Off
	Identity	admin
	Password	
	CA Certificate	Browse
	Device Certificate	Browse
		Apply
		4000
> BASIC	Service Port Settings 😯	
	Web Server Type	HTTP V
> NETWORK	HTTP Port	80
	HTTPS Port	443
> VoIP	Telnet Port	23
	RTP Port Range Start	10000
> INTERCOM	RTP Port Quantity	200
		Apply
> DOOR PHONE		Арріу
	_	
Field Name	Explanation	

Field Name	Explanation		
WAN Status			
Active IP address  The current IP address of the equipment			
Current subnet	The current Subnet Mask		
mask			
Current IP	The comment Category ID address		
gateway	The current Gateway IP address		
MAC address	The MAC address of the equipment		



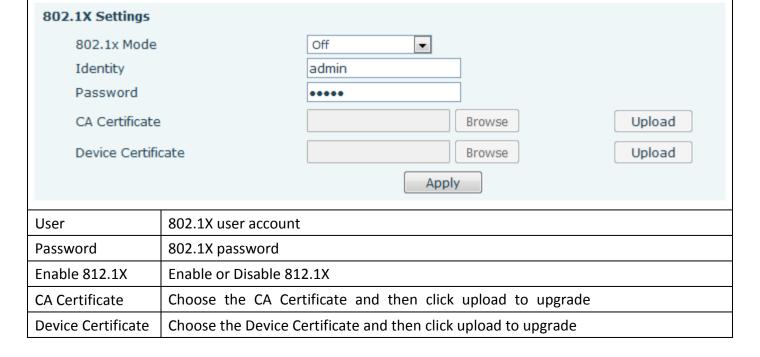
Field Name Explanation					
WAN Settings					
Enable or disable Vendor Identifier					
Configure display Vendor Identifier					
Select the appropriate network mode. The equipment supports three network modes:					
Network parameters must be entered manually and will not change. All parameters are provided by the ISP.					
Network parameters are provided automatically by a DHCP server.					
Account and Password must be input manually. These are provided by your ISP.					

#### If Static IP is chosen, the screen below will appear. Enter values provided by the ISP.

#### NOTE:

- 1) After entering the new settings, click the APPLY button. The equipment will save the new settings and apply them.
- 2) If a new IP address was entered for the equipment, it must be used to login to the phone after clicking the APPLY button.
- 3) If the system is starting use DHCP to obtain IP and the network address of the DHCP Server and system of LAN network address is the same, then the system after receive DHCP IP, add the LAN network address the last one plus one, and change the distribution of the LAN DHCP Server IP address; If the system started, And then WAN access DHCP, and the network address of the DHCP server distribution and the same LAN, WAN will be unable to get IP access networks.

#### 802.1X Settings





Field Name	Explanation		
Service port Sett	Service port Settings		
Web Server	Specific Web Server Type - LITTE or LITTES		
Туре	Specify Web Server Type – HTTP or HTTPS		
	Port for web browser access. Default value is 80. To enhance security, change this from		
LITTO Down	the default. Setting this port to 0 will disable HTTP access.		
HTTP Port	Example: The IP address is 192.168.1.70 and the port value is 8090, the accessing		
	address is http://192.168.1.70:8090.		
	Port for HTTPS access. Before using https, an https authentication certification must be		
HTTPS Port	downloaded into the equipment.		
	Default value is 443. To enhance security, change this from the default.		
Telnet Port	Port for Telnet access. The default is 23.		
RTP Port Range	Set the beginning value for RTP Ports. Ports are dynamically allocated.		
Start			
RTP Port	Cat the manifestor and artificial DTD Danta. The default is 200		
Quantity	Set the maximum quantity of RTP Ports. The default is 200.		

#### Note:

- 1) Any changes made on this page require a reboot to become active.
- 2) It is suggested that changes to HTTP Port and Telnet ports be values greater than 1024. Values less than 1024 are reserved.
- 3) If the HTTP port is set to 0, HTTP service will be disabled.

#### b) QoS&VLAN

The equipment supports 802.1Q/P protocol and DiffServ configuration. Use of a Virtual LAN (VLAN) allows voice and data traffic to be separated.

> Chart 1 shows a network switch with no VLAN. Any broadcast frames will be transmitted to all other ports. For example, and frames broadcast from Port 1 will be sent to Ports 2, 3, and 4.

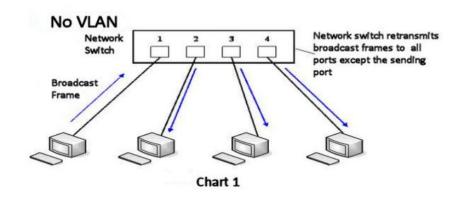
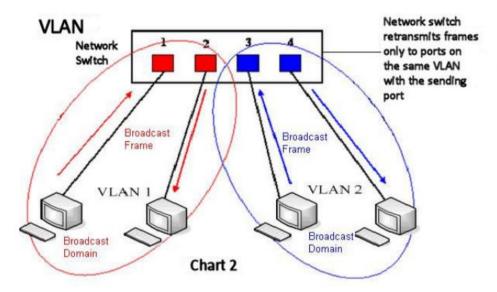
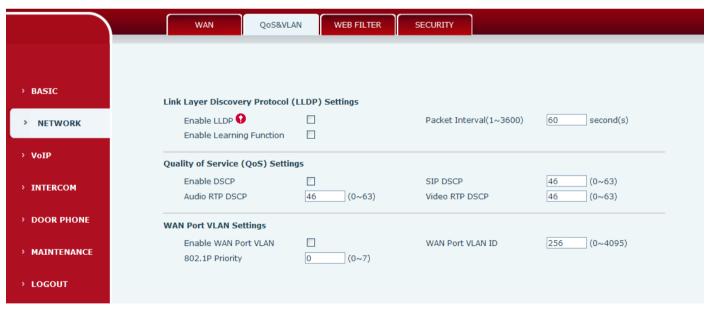




Chart 2 shows an example with two VLANs indicated by red and blue. In this example, frames broadcast from Port 1 will only go to Port 2 since Ports 3 and 4 are in a different VLAN. VLANs can be used to divide a network by restricting the transmission of broadcast frames.



Note: In practice, VLANs are distinguished by the use of VLAN IDs.



QoS&VLAN		
Field Name	Explanation	
Link Layer Discovery Pro	otocol (LLDP) Settings	
Enable LLDP	Enable or Disable Link Layer Discovery Protocol (LLDP)	
Enable Learning Function	Enables the telephone to synchronize its VLAN data with the Network Switch.  The telephone will automatically synchronize DSCP, 802.1p, and VLAN ID values even if these values differ from those provided by the LLDP server.	
Packet Interval	The time interval for sending LLDP Packets	



Field Name	Explanation		
Quality of Service (QoS	) Settings		
Enable DSCP	Enable or Disable Differentiated Services Code Point (DSCP)		
Audio RTP DSCP	Specify the value of the Audio DSCP in decimal		
SIP DSCP	Specify the value of the SIP DSCP in decimal		
WAN Port VLAN Setting	gs		
Enable WAN Port	Enable or Disable WAN Port VI AN		
VLAN	Enable or Disable WAN Port VLAN		
WAN Port VLAN ID	Specify the value of the WAN Port VLAN ID. Range is 0-4095		
SIP 802.1P Priority	Specify the value of the signal 8021.p priority. Range is 0-7		
Audio 802.1P Priority	Specify the value of the voice 802.1p priority. Range is 0-7		

#### c) WEB FILTER



#### Web filter

The Web filter is used to limit access to the equipment. When the web filter is enabled, only the IP addresses between the start IP and end IP can access the equipment.

#### **Web Filter Table**

Webpage access allows display the IP network list.

#### **Web Filter Table Settings**

Beginning and Ending IP Address for MMI Filter, Click add this filter range to the Web Filter Table.

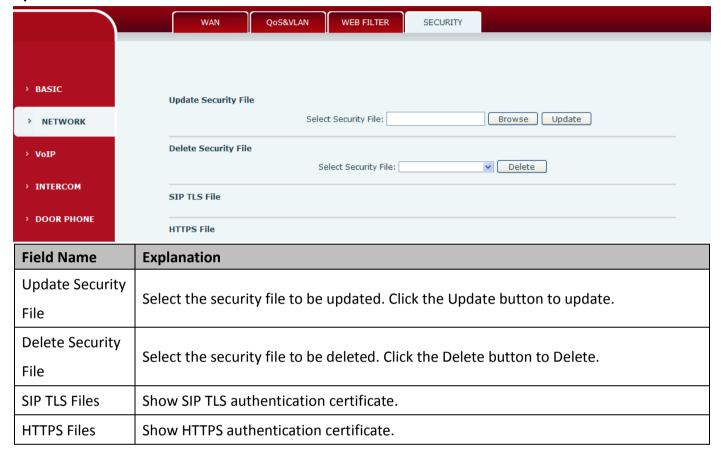
#### **Web Filter Setting**

Select to enable MMI Filter. Click <apply> Make filter settings effective.

Note: Be sure that the filter range includes the IP address of the configuration computer.

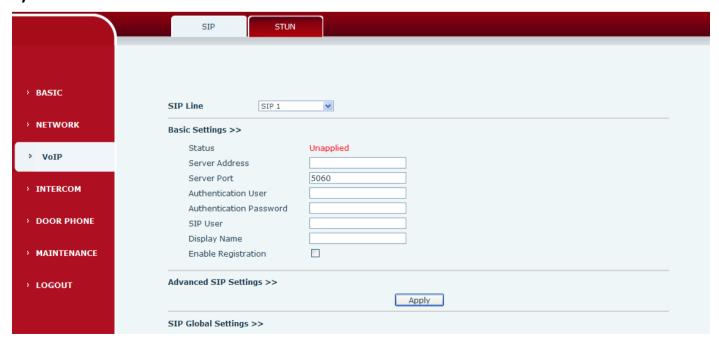


#### d) SECURITY



## (3) VOIP

## a) SIP





Advanced SIP Settings >>

Proxy Server Address		Proxy Server Port			
Proxy User		Proxy Password			
Backup Server Address		Backup Server Port	5060		
Domain Realm	Domain Realm				
RTP Encryption		Enable Session Timer			
Registration Expire	s 3600 second(s)	Session Timeout	0 second(s)		
Keep Alive Type	UDP	Keep Alive Interval	60 second(s)		
User Agent	Voip Phone 1.0	Server Type	COMMON		
DTMF Type	RFC2833 ▼	RFC Protocol Edition	RFC3261 ▼		
Local Port	5060	Transport Protocol	UDP 🕶		
Enable Rport	<u> </u>	Keep Authentication			
Enable PRACK		Ans. With A Single Co	dec 🗌		
Enable Strict Proxy	<b>▽</b>	Auto TCP			
Enable DNS SRV					
		Analy			
		Apply			
SIP Global Settings >>					
Strict Branch		Enable Group			
Enable RFC4475	✓	Registration Failure Retry Time	32 second (s)		
Enable Strict UA Match		DND Return Code	486(Busy Here)		
Reject Return Code	486(Busy Here)	Busy Return Code	486(Busy Here)		
		Apply			
CID					
SIP					
Field Name	Explanation				
Basic Settings (Cho	ose the sip line to configur	ed)			
	Shows registration status	. If the registration is suc	cessful will display has been		
Status	registered, not successful	gistered, not successful display not registered, the wrong password is displayed			
	403 errors, account number failure display timeout.				
Caman Adduses					
Server Address	SIP server IP address or URI.				
Server Port	SIP server port. Default is	5 5060.			
Authentication	SIP account name (Login ID).				
User	Sir account name (Login ID).				
Authentication					
Password	SIP registration password				
rassworu					
SIP User	Phone number assigned by VoIP service provider. Equipment will not register if there				
311 0361	is no phone number conf	is no phone number configured.			
Display Name	Set the display name. This name is shown on Caller ID.				
<u> </u>	Set the display hame. Thi	•			
Enable					
Enable Registration	Check to submit registrat		-		



Field Name	Explanation		
Advanced SIP Settings			
Proxy Server	SIP proxy server IP address or URI, (This is normally the same as the SIP Registrar		
Address	Server)		
Proxy Server Port	SIP Proxy server port. Normally 5060.		
Proxy User	SIP Proxy server account.		
Proxy Password	SIP Proxy server password.		
Backup Server	Backup SIP Server Address or URI (This server will be used if the primary server is		
Address	unavailable)		
Backup Server Port	Backup SIP Server Port.		
Domain Realm	SIP Domain if different than the SIP Registrar Server.		
Server Name	Name of SIP Backup server		
RTP Encryption	Enable/Disable RTP Encryption.		
Enable Session	If analytic will refrach the SID session times nor DEC4029		
Timer	If enabled, this will refresh the SIP session timer per RFC4028.		
Registration	SIP re-registration time. Default is 60 seconds. If the server requests a different time,		
Expires	the phone will change to that value.		
Session Timeout	Refresh interval if Session Timer is enabled.		
	Specifies the NAT keep alive type. If SIP Option is selected, the equipment will send		
Keep Alive Type	SIP Option sip messages to the server every NAT Keep Alive Period. The server will		
Recp Alive Type	then respond with 200 OK. If UDP is selected, the equipment will send a UDP		
	message to the server every NAT Keep Alive Period.		
Keep Alive Interval	Set the NAT Keep Alive interval. Default is 60 seconds		
User Agent	Set SIP User Agent value.		
Server Type	Configures phone for unique requirements of selected server.		
	DTMF sending mode. There are four modes:		
	● In-band		
DTMF Type	• RFC2833		
Drivii Type	SIP_INFO		
	• AUTO		
	Different VoIP Service providers may require different modes.		
Protocol Edition	Select SIP protocol version RFC3261 or RFC2543. Default is RFC3261. Used for		
1 TOLOCOI EUILIOII	servers which only support RFC2543.		
Local Port	SIP port. Default is 5060.		

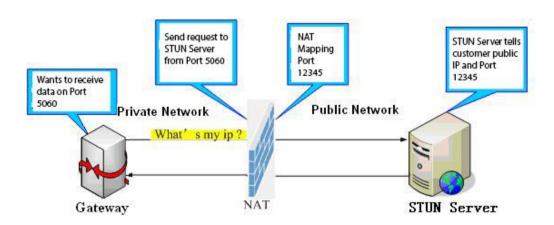


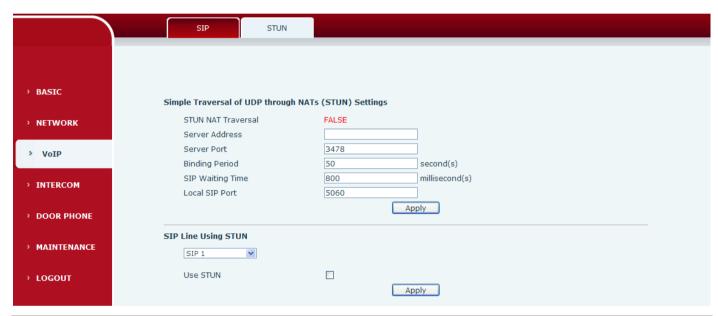
Field Name	Explanation		
Transport Protocol	Configuration using the transport protocol, TCP, TLS or UDP, the default is UDP.		
Enable Rport	Enable/Disable support for NAT traversal via RFC3581 (Rport).		
Keep Authentication	Enable /disable registration with authentication. It will use the last authentication field which passed authentication by server. This will decrease the load on the server if enabled		
Enable PRACK	Enable or disable SIP PRACK function. Default is OFF. It is suggested this be used.		
Ans. With a Single Codec	If enabled phone will respond to incoming calls with only one codec.		
Enable Strict Proxy	Enables the use of strict routing. When the phone receives packets from the server it will use the source IP address, not the address in via field.		
Auto TCP	Force the use of TCP protocol to guarantee usability of transport for SIP messages above 1500 bytes		
Enable DNS SRV	Enables use of DNS SRV records		
SIP Global Settings			
Strict Branch	Enable Strict Branch - The value of the branch must be after"z9hG4bK" in the VIA field of the INVITE message received, or the phone will not respond to the INVITE.  Note: This will affect all lines		
Enable Group	Enable SIP Group Backup. This will affect all lines		
Enable RFC4475	Enable or disable RFC4475, default is enable 。		
Registration Failure Retry Time	Registration failures retry time – If registrations fails, the phone will attempt to register again after registration failure retry time. This will affect all lines		
Enable Strict UA Match	Enable or disable Strict UA Match		
DND Return Code	Specify SIP Code returned for DND. Default is 480 - Temporarily Not Available.		
Reject Return Code	Specify SIP Code returned for Rejected call. Default is 603 – Decline.		
Busy Return Code	Specify SIP Code returned for Busy. Default is 486 – Busy Here.		

## b) STUN

STUN – Simple Traversal of UDP through NAT –A STUN server allows a phone in a private network to know its public IP and port as well as the type of NAT being used. The equipment can then use this information to register itself to a SIP server so that it can make and receive calls while in a private network.







STUN		
Field Name	Field Name Explanation	
STUN NAT Traversal	Shows whether or not STUN NAT Transversal was successful.	
Server Address	STUN Server IP address	
Server Port	STUN Server Port – Default is 3478.	
Rinding Pariod	STUN blinding period – STUN packets are sent at this interval to keep the NAT	
Binding Period	mapping active.	
SIP Waiting Time	Waiting time for SIP. This will vary depending on the network.	
Local SIP Port	Port configure the local SIP signaling	
SIP Line Using STUN (SIP1 or SIP2)		
Use STUN	Enable/Disable STUN on the selected line.	
Note: the SIP STUN is used to achieve the SIP penetration of NAT, is the realization of a service, when the		

Note: the SIP STUN is used to achieve the SIP penetration of NAT, is the realization of a service, when the equipment configuration of the STUN server IP and port (usually the default is 3478), and select the Use Stun SIP server, the use of NAT equipment to achieve penetration.



## (4) INTERCOM

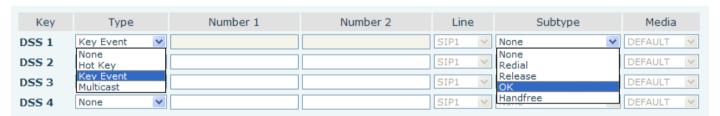
#### a) FUNCTION KEY

1-4 programmable key in phone software (depend on hardware), you can configurate different feature on each key. You can ref to below indications for each feature. default is NA, means without any feature settings.



#### Key Event Settings

Set the key type to the Key Event.

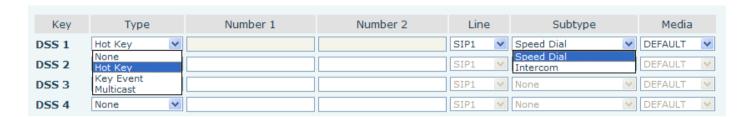


DSS key type	Subtype	Usage		
Key Event	None	Not responding		
	Dial Dial function			
	Release	End calls		
	OK	Identify key		
	Handfree	The hand-free key(with hook dial, hang up)		

#### Hot key Settings

Enter the phone number in the input box, when you press the shortcut key, equipment will dial set telephone number. This button can also be used to set the IP address, press the shortcut key IP direct dial call.



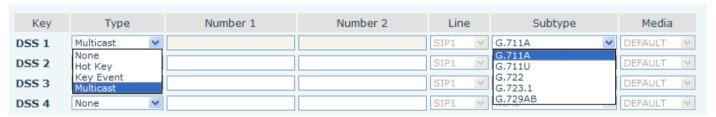


DSS key type	Number	Line	Subtype	Usage
Hot Key	Fill the called party's SIP	The SIP account corresponding	Speed Dial	In Speed dial mode,  with Enable Speed Dial Can define  whether this call is allowed to be hang up by re-press the speed dial
	account or address	lines	Intercom	In Intercom mode, if the caller's IP phone support intercom feature, can realize auto answer

#### Multicast Settings

Multicast function is launched will voice messages sent to set the multicast address, all equipment to monitor the group multicast address can receive sponsors speech information, etc. Using multicast functionality can be simple and convenient to send notice to each member in the multicast.

Through the DSS Key configuration multicast calling WEB is as follows:



DSS key type	Number	Subtype	Usage
	Set the host IP address and port number, the middle separated by a colon	G.711A	Narrowband speech coding (AKha)
Multicast		G.711U	Narrowband speech coding (4Khz)
		G.722	Wideband speech coding (7Khz)
		G.723.1	
		G.726-32	Narrowband speech coding (4Khz)
		G.729AB	



#### ♦ operation mechanism

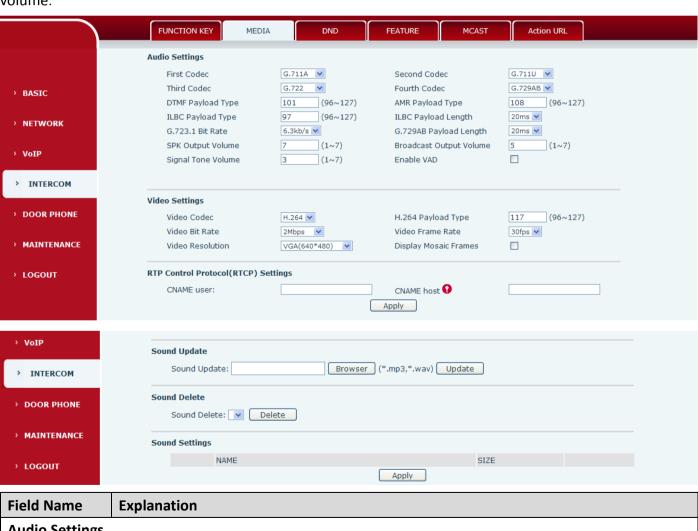
Device through the DSS Key configuration of multicast address and port and started coding; set by WEB to monitor the multicast address and port; device sends a multicast, listens to the address of the device can receive the multicast content.

#### 

The call is already exists, and three party or initiated multicast communication, so it will not be able to launch a new multicast call.

#### b) MEDIA

This page configures audio parameters such as voice codec, speak volume, mic volume and ringer volume.



Field Name	Explanation
<b>Audio Settings</b>	
First Codec	The first codec choice: G.711A/U, G.722, G.723.1, G.726-32, G.729AB
Second Codec	The second codec choice: G.711A/U, G.722, G.723.1, G.726-32, G.729AB, None
Third Codec	The third codec choice: G.711A/U, G.722, G.723.1, G.726-32, G.729AB, None
Fourth Codec	The forth codec choice: G.711A/U, G.722, G.723.1, G.726-32, G.729AB, None

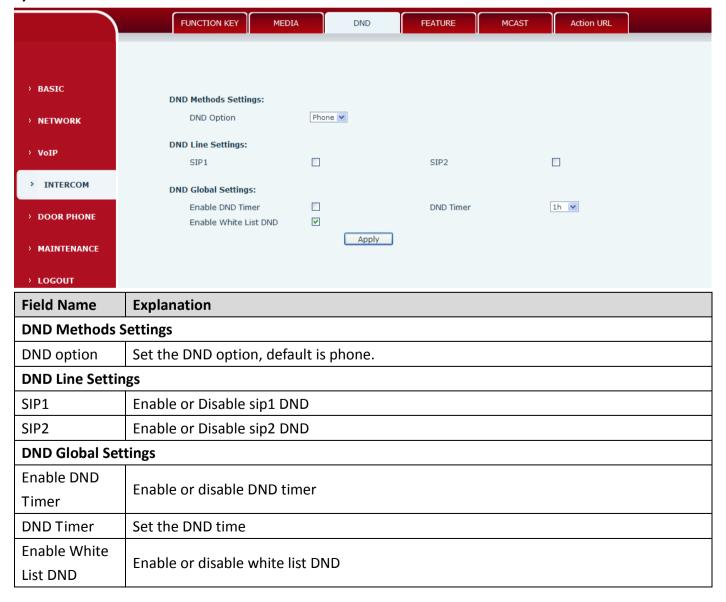


Field Name	Explanation	
DTMF Payload	The RTP Payload type that indicates DTMF. Default is 101	
Туре	The KTF Fayload type that indicates DTML. Default is 101	
AMR Payload	Set the AMB Payled type. Numerical based on between 06 127	
Туре	Set the AMR Payload type, Numerical based on between 96-127.	
ILBC Payload	Set the ILBC Payload type, Numerical based on between 96-127.	
Туре	Set the LBC Payload type, Numerical based on between 90-127.	
ILBC Payload	Set the ILBC payload length.	
length	Set the IEBE payload length.	
G.723.1 Bit	Choices are 5.3kb/s or 6.3kb/s.	
Rate	Choices are 5.5kb/3 of 6.5kb/3.	
G.729AB		
Payload	G.729AB Payload Length – Adjusts from 10 – 60 mSec.	
Length		
SPK Output	Set the speaker calls the volume level.	
Volume		
Broadcast		
Output	Set the broadcast the output volume level.	
Volume		
Signal Tone	Set the audio signal the output volume level.	
Volume		
Enable VAD	Enable or disable Voice Activity Detection (VAD). If VAD is enabled, G729 Payload length	
	cannot be set greater than 20 mSec.	
Video Settings		
Video Codec	Set the video codec used in video call (H.263, H.264)	
H.264	Set the H.264 Payload type, Numerical based on between 96-127.	
Payload Type	Set the 11.204 Fayload type, Wallerlear based on between 30-127.	
Video Bit Rate	Set the bandwidth of video call	
Video Frame	Set the video frame rate	
Rate	Set the video frame rate	
	Set the video resolution, QCIF(176*144), CIF(352*288), VGA(640*480), 4CIF(704*576),	
Video	720P(1280x720).	
Resolution	Note: 720P only on the four nuclear phone support, And need to choose above 2M of	
	the bandwidth.	
Display Mosaic	Enable or Disable display mosaic	
Frames	Enable of Disable display mosale	



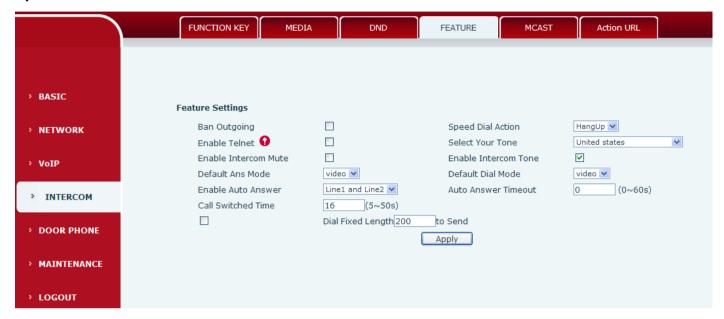
Field Name	Explanation		
RTP Control Protocol(RTCP) Settings			
CNAME user	Set CNAME user		
CNAME host	Set CNAME host		
Sound Update			
Choose the ring tone files and then click update to apply			
Sound Delete			
Delete the ring tone file			
Sound Settings			
Set the ring tong files format is .mp3 and .wav			

#### c) DND





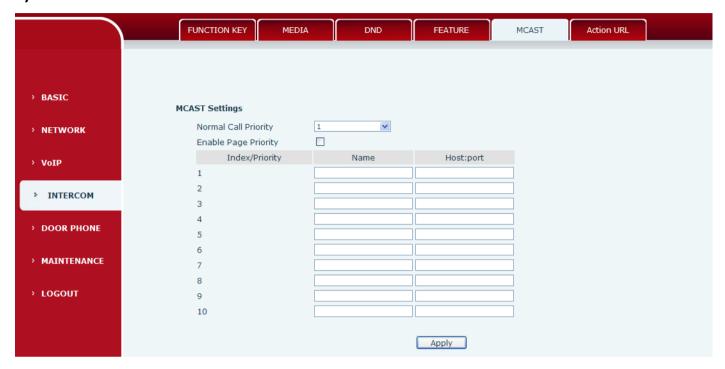
## d) FEATURE



Feature			
Field Name	Explanation		
Feature Settings			
Ban Outgoing	If enabled, no outgoing calls can be made.		
Speed Dial Action	Default is Speed Dial Hand-down function		
Enable Telnet	Enable or disable Telnet		
Select your Tone	Standard configuration signal sound.		
Enable Intercom	If enabled, mutes incoming calls during an intercom call.		
Mute	in enabled, mates incoming cans during an intercom can.		
Enable Intercom	If anabled, plays intersem ring tone to alert to an intersem call		
Tone	If enabled, plays intercom ring tone to alert to an intercom call.		
Default Ans Mode	Set answer mode, default is video .		
Default Dial Mode	Set dial mode, default is video.		
Enable Auto Answer	Enable or disable auto answer.		
Enable Auto Answer	Enable or disable auto answer.		
Call Switched Time	Set the call switched time.		
Auto Answer	Set the auto answer time		
Timeout	Set the auto answer time		
Dial Fixed Longth	The number will be sent to the server after the specified numbers of digits are		
Dial Fixed Length	dialed.		
Description	device IP description		



#### e) MCAST



Using multicast functionality can be simple and convenient to send notice to each member of the multicast, through setting the multicast key on the device, sending multicast RTP stream to pre-configured multicast address. By on the device configuration monitoring multicast address, listen to and play the group multicast address send RTP stream.

#### **MCAST Settings**

Equipment can be set up to monitor up to 10 different multicast address, used to receive the multicast address send multicast RTP stream.

In the Web interface setting change equipment receiving multicast RTP stream processing mode are: set the ordinary priority and enable page priority.

#### Priority:

In the drop-down box to choose priority of ordinary calls the priority, if the priority of the incoming flows of multicast RTP, lower precedence than the current common calls, device will automatically ignore the group RTP flow. If the priority of the incoming flow of multicast RTP is higher than the current common calls priority, device will automatically receive the group RTP stream, and keep the current common calls in state. You can also choose to disable in the receiving threshold drop-down box, the device will automatically ignore all local network multicast RTP stream.

- The options are as follows:
  - ♦ 1-10: The definition of common call priority, 1 is the most advanced, most low 10.
  - ♦ Disable: ignore all incoming stream multicast RTP
  - Enable the page priority:



Page determines the priority equipment current in multicast session, how to deal with the new receiving multicast RTP stream, enabling the Page switch priority, the device will automatically ignore the low priority of multicast RTP stream, receive priority multicast RTP stream, and keep the current multicast session in state; If is not enabled, the device will automatically ignores all receive multicast RTP stream.

#### Web Settings:

MCA	ST Settings			
	Priority	1	~	
	Enable Page Priority	<b>▽</b>		
	Index/Priority	Name		Host:port
	1	SS		239.1.1.1:1366
	2	ee		239.1.1.1:1367

The multicast SS priority is higher than that of EE, the highest priority.

Note: when a multicast session key by multicast, multicast sender and receiver will beep.

#### **Listener configuration**

MCAST Settings			
iority	3		
nable Page Priority	<u> </u>		
Index/Priority	Name	Host:port	
1	group 1	224.0.0.2:2366	
2	group 2	224.0.0.2:1366	
3	group 3	224.0.0.6:3366	
4			
5			
6			
7			
8			
9			
10			
	iority  Jable Page Priority  Index/Priority  1  2  3  4  5  6  7  8  9	iority  Jable Page Priority  Index/Priority  1 group 1 2 group 2 3 group 3 4 5 6 7 8 9	

#### Blue part (name)

The "group of 1" and "2" and "3" are you setting monitoring multicast name, answer time is displayed on the screen, if you do not set the screen will display the IP: port directly.

#### Purple part (host: port)

Is a set of addresses and ports to listen, separated by a colon.

#### Pink part (index / priority)

Multicast is a sign of listening, but also the monitoring multicast priority, the smaller the number of higher priority.

#### Red part (priority)

Is the general call, non multicast call priority, the smaller the number of high priority, the following will explain how to use this option:



- ♦ The purpose of setting monitoring multicast "group 1" or "2" or "3" launched a multicast call.
- ♦ All equipment has one or more common non multicast communication.
- ♦ When you set the Priority for the disable, multicast any level will not answer, multicast call is rejected.
- ♦ when you set the Priority to a value, only higher than the priority of multicast can come in, if you set the Priority is 3, group 2 and group 3 for priority level equal to 3 and less than 3 were rejected, 1 priority is 2 higher than ordinary call priority device can answer the multicast message at the same time, keep the hold the other call.

#### Green part (Enable Page priority)

Set whether to open more priority is the priority of multicast, multicast is pink part number. Explain how to use:

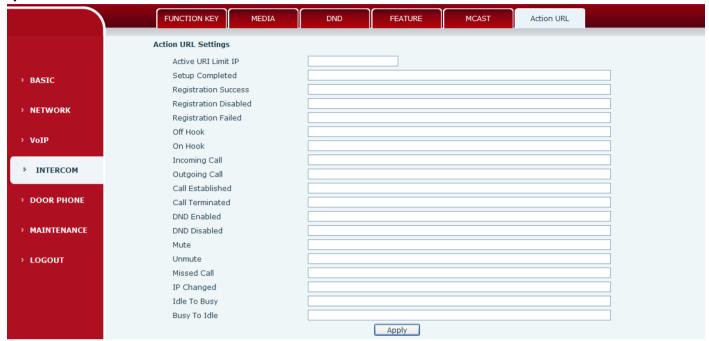
- ♦ The purpose of setting monitoring multicast "group 1" or "3" set up listening "group of 1" or "3" multicast address multicast call.
- ♦ All equipment has been a path or multi-path multicast phone, such as listening to "multicast information group 2".
- ♦ If multicast is a new "group of 1", because "the priority group 1" is 2, higher than the current call "priority group 2" 3, so multicast call will can come in.
- ♦ If multicast is a new "group of 3", because "the priority group 3" is 4, lower than the current call "priority group 2" 3, "1" will listen to the equipment and maintain the "group of 2".

#### **Multicast service**

- **Send:** when configured ok, our key press shell on the corresponding equipment, equipment directly into the Talking interface, the premise is to ensure no current multicast call and 3-way of the case, the multicast can be established.
- **Lmonitor:** IP port and priority configuration monitoring device, when the call is initiated and incoming multicast, directly into the Talking interface equipment



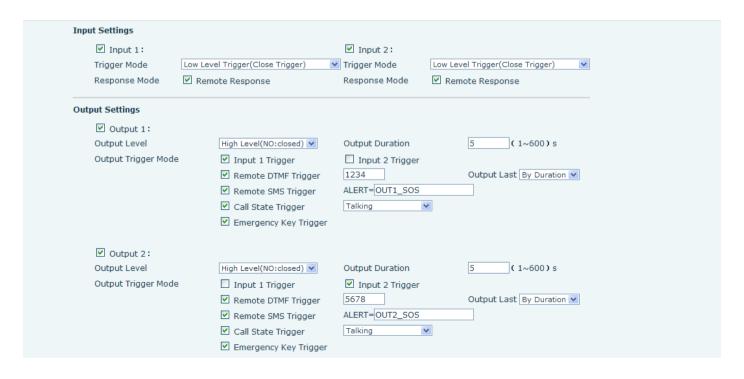
#### f) Action URL



#### **Action URL Settings**

URL for various actions performed by the phone. These actions are recorded and sent as xml files to the server. Sample format is http://InternalServer/FileName.xml

## (5) SAFEGUARDING (Only fully functional version support this feature)





☐ Tamper Alarm	Alarm command Tamper_Alarm	Reset command Tamper_Reset	Reset
erver & Trigger Ring Type Se	ttings		
Server Address			
Input 1 Trigger Ring	User 1 💌	Input 2 Trigger Ring	User 2 🕶
Remote DTMF Trigger Ring	Enable 💌	Remote SMS Trigger Ring	default 🕶
Tamper Alarm Ring	default 🗸	Alarm Ring Duration	5 (1~600)s

Арріу			
Security Settings			
Field Name	Explanation		
Input settings			
Input 1	Open / Close Input port1		
	When choosing the low level trigger (closed trigger), detect the input port 1 (low		
Trigger Mede	level) closed trigger.		
Trigger Mode	When choosing the high level trigger (disconnected trigger), detect the input port 1		
	(high level) disconnected trigger.		
Response Mode	Open /Close Input port1 the Remote Response		
Input 2	Open /Close Input port2		
	When choosing the low level trigger (closed trigger), detect the input port 2 (low		
Trigger Mode	level) closed trigger.		
Trigger Woule	When choosing the high level trigger (disconnected trigger), detect the input port 2		
	(high level) disconnected trigger.		
Response Mode	Open /Close Input port2 the Remote Response		
Output Settings			
Output 1/2	Open/close, Output 1/Output 2		
	When choosing the low level trigger (NO: normally open), when meet the trigger		
Output Level	condition, trigger the NO port disconnected.		
Output Level	When choosing the high level trigger (NO: normally close), when meet the trigger		
	condition, trigger the NO port close.		
Output	Changes in port, the duration of. The default is 5 seconds.		
Duration	changes in port, the daration of. The default is a seconds.		
Output Trigger Mode: There are many kinds of trigger modes, multiple choices.			
Input port1	When the input port1 meet to trigger condition, the output port1 will trigger(The Port		
trigger	level time change, By < Output Duration > control)		
Input port2	When the input port2 meet to trigger condition, the output port2 will trigger(The Port		
trigger	level time change, By < Output Duration > control)		

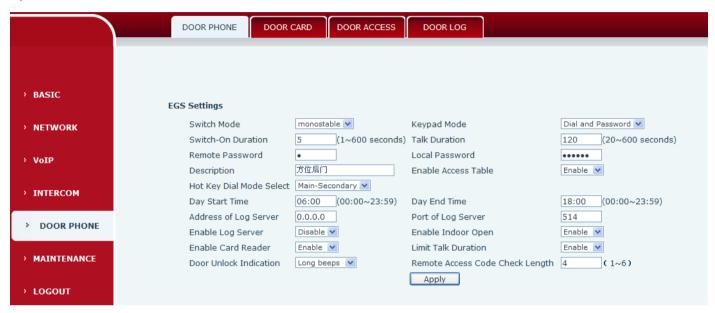


Field Name	Explanation			
		Received the terminal equipment to send the DTMF password, if		
	By duration	correct, which triggers the corresponding output port (The Port level		
Romoto DTMF		time change, By < Output Duration > control)		
Remote DTMF trigger		During the call, receive the terminal equipment to send the DTMF		
	By Calling	password, if correct, which triggers the corresponding output port (The		
	State	Port level time change, (By call state control, after the end of the call,		
		port to return the default state)		
Remote SMS	In the remote device or server to send instructions to ALERT=[instructions], if correct,			
trigger	which triggers the corresponding output port			
Call state	When the emergency call button to trigger the equipment shell, which triggers the			
trigger	corresponding output port(after the end of the call, port to return the default state)			
Emergency key	When the emergency call button to trigger the equipment shell, which triggers the			
trigger	corresponding output port(after the end of the call, port to return the default state)			
Tamper Alarm Settings				
Tamper Alarm	When the selection is enabled, the tamper detection enabled			
Alarm	When detecte	ed someone tampering the equipment, will be sent alarm to the		
command	corresponding server			
Reset command	When the equipment receives the command of reset from server, the equipment will			
Reset Command	stop alarm			
Reset	Directly stop the alarm from equipment in the Webpage			
Server & Trigger I	Ring Type Setti	ngs		
Server Address	Config	gure remote response server address(including remote response server		
Server Address	addre	address and tamper alarm server address)		
lanut 1 tuissau via	When	the input port 1 triggering condition is satisfied, the corresponding ring		
Input 1 trigger rin	tone o	tone or alarm		
land 2 trians are	When	the input port 2 triggering condition is satisfied, the corresponding ring		
Input 2 trigger rin	tone o	or alarm		
Remote DTMF trig	gger	was a single the way at a DTNAF as we want of the other than the substitute of the size of		
ring	wnen	received the remote DTMF command, whether to output the ringtone		
Remote SMS trigg	ger	acceptation the acceptate CNAC instructions whether the state and the state of the		
ring	wnen	When receiving the remote SMS instructions, whether to output the ringtone		
Tommer element	When	the detected someone tampering the equipment, plays the		
Tamper alarm ring	corre	esponding ringtone or alarm		
Alarm ring duration	on durati	on of alarm ring(not including tamper alarm)		



# (6) DOOR PHONE

## a) DOOR PHONE



Field Name	Explanation	Initial Value	
EGS Settings			
	Monostable: there is only one fixed action status for door unlocking.		
Switch Mode	Bistable: there are two actions and statuses, door unlocking and door	monostable	
3witch Mode	locking. Each action might be triggered and changed to the other	 	
	status. After changed, the status would be kept.		
	Only password: password input only, dialing would be forbidden.		
	Password+dialing: password input is default. Dialing mode is as below		
Kaynad Mada	if you want.	Password+dialing	
Keypad Mode	<ul><li>key for off hook to dialing mode, # key for hang up.</li></ul>		
	Time out or length match for number sending when dialing mode. *		
	Key to enter the dial, the # key to hang up.		
Switch-On	Door unlocking time for Monostable mode only. If the time is up, the	5 seconds	
Duration	door would be locked automatically.	5 seconus	
Talk Duration	The call will be ended automatically when time up.	120 seconds	
Remote	Remote door unlacking password	*	
Password	Remote door unlocking password.		
Local Password	Local door unlocking password via keypad, the default password	6789	
	length is 4.	0/03	
Description	Davisa description displayed on IR scanning tool software	i31 Video Sip Door	
Description	on Device description displayed on IP scanning tool software.		



Field Name	Explanation	Initial Value
	Enable Access Table: enter <access code=""> for opening door during</access>	
Enable Access	calls.	- Fnahla
Table	Disable Access Table: enter <remote password=""> for opening door</remote>	Enable
	during calls.	
	<primary secondary="">mode allow system to call primary extension</primary>	
	first, if there were no answer, it would cancel the call and then call	
Hot Key Dialed	secondary extension automatically.	Drimany
Mode	<day night="">mode allow system to check the calling time is belong to</day>	Primary
Selection	Day or Night time, and then decide to call the number 1 or number 2	/secondary
	automatically.	
	Users just press speed dial key once.	
Call Switched	The period between hot key dialing to the first and second number.	16 seconds
Time	The period between not key dialing to the first and second number.	16 seconds
Day Start Time	The start time of the Day When you select <day night="">mode</day>	06:00
Day End Time	The end time of the day When you select <day night="">mode</day>	18:00
Address of Log	Log comer address(ID or domain name)	0.000
Server	Log server address(IP or domain name)	0.0.0.0
Port of Log	Log server port(0-65535)	514
Server	Log server port(0-03333)	314
Enable Log	Enable or disable to connect with log server	Disable
Server	Eliable of disable to confiect with log server	Disable
Enable Indoor	Enable or disable to use indoor switch to unlock the door.	Enable
Open	Eliable of disable to use indoor switch to dillock the door.	Ellable
Enable Card	Enable or disable card reader for RFID cards.	Enablo
Reader	Eliable of disable card reader for Krib cards.	Enable
Limit Talk	If enabled, calls would be forced ended after talking time is up.	Enable
Duration	il ellabled, calls would be forced elided after talking tille is up.	Eliable
Door Unlock	Indication tone for door unlocked. There are 3 type of tone:  Long beeps	
Indication	silent/short beeps/long beeps.	
Remote Access	The remote access code length would be restricted with it. If the	
Code Check	input access code length is matched with it, system would check it	4
Length	immediately.	



### b) DOOR CARD



# Field Name Explanation

## **Door Card Table**

Door Card Table		
Index	The serial number of has been issuer cards.	
Name	The name of has been issuer cards.	
ID	The card number of has been issuer cards.	
ID	(Note: The card is not registered in the remote access list is unable to open the door.)	
Issuing Date	The issuing date of has been issuer cards.	
Card State	To have been issuer cards the state.	
Delete	Click <delete>, will delete the door card list within the selected ID cards.</delete>	
Delete All	Click < Delete All>, to delete all door card lists.	
Export door	Right Click here to Save Door Card Table	
card table	Right-click it and select save target to your computer.	

## Add Door Card (If you don't add rules, that will be just the temporary card)

The input RFID card numbers the top 10, for example, 0004111806, click <add>>.

### **Import Door Card Table**

Click the <Browse> to choose to import door card list file (doorCard.csv), click <Update> can be batch import.

### **Card Reader Setting**

Set ID card stats:

Normal: This is the work mode, after the slot card can to open the door.

Card Issuing: This is the issuing mode, after the slot card can to add ID cards.

Card Revoking: This is the revoking mode, after the slot card can to delete ID cards.



#### **Administrator Table**

The show admin card the ID, Date and Type.

#### **Add Administrator**

ID: admin card the card number.

Type: Issuer and Revoking.

Entrance guard in normal state, brush card(issuing card) entrance guard into the issuing state, and then brush to add a card, the card is added to the database, add swipe again after card(issuing card) entrance guard returned to normal. Delete card operation and issuing card the same.

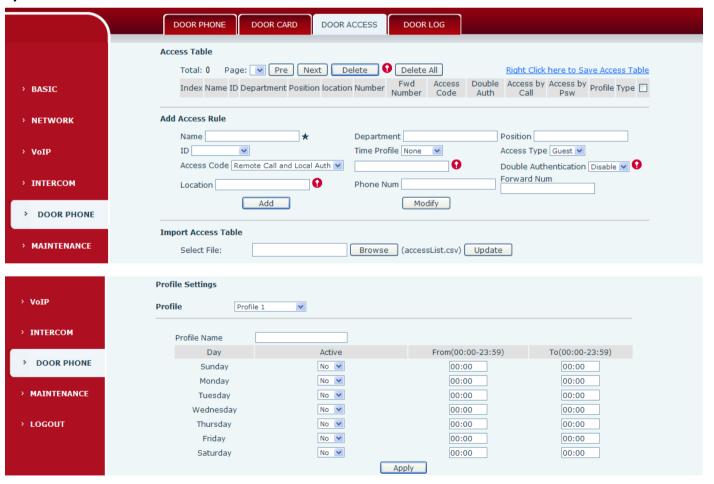
Can release at most 10 cards, 2000 copies of ordinary cards.

Note: in the issuing state to delete brush card is invalid, and vice versa.

#### **Delete Administrator**

Choose to delete the card number, then press <delete>.

### c) DOOR ACCESS



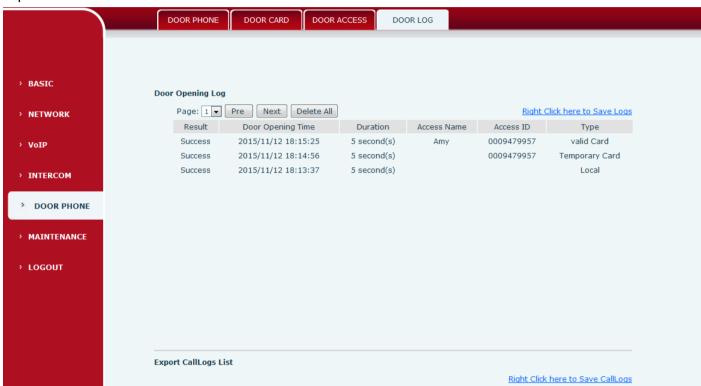


Field Name	Explanation		
Access Table	Access Table		
According to entrance guard access rules have been added, can choose single or multiple rules on this list			
to delete operation.			
Add Access Rule	Add Access Rule		
You can add new a	ccess rules, or select an existing project within the list to modify		
Name(necessary)	User name		
Department	Card holder's department		
Position	Card holder's position		
ID	RFID card number		
Time Profile	Valid for user access rules (including RFID, access code, etc) within corresponding		
Time Prome	time section. If NONE is selected, it would be taken effect all day.		
	Host: the door phone would answer all call automatically.		
Access Type	Guest: the door phone would be ringing for incoming call, if the auto answer had		
	been disabled.		
	1/ When the door phone has been answering the call from below <phone num=""> user,</phone>		
Access Code	then the <phone num=""> user can input the access code by keypad to unlock the door</phone>		
Access code	remotely.		
	2/ The user's private password for local door unlocking by door phone's keypad.		
Double	When enabled, private password inputting and RFID reading must be matched		
Authentication	simultaneously for door unlocking.		
Location	Virtual extension number, used to make position call instead of real number.		
Location	It might be taken with unit number, or room number.		
Phone Num	User Phone Number		
Import Access Tab	le		
Click the <browse></browse>	> to choose to import remote access list file (access List.csv) and then click <update></update>		
can be batch impor	can be batch import remote access rule.		
Time profile	There are 4 costions for time profile configuration		
sections	There are 4 sections for time profile configuration		
Profile Name	The name of profile to help administrator to remember the time definition		
Active	If it were yes, the time profile would be taken effect. Other time section not included		
ACTIVE	in the profiles would not allow users to open door		
From	The start time of section		
То	The end time of section		



# d) DOOR LOG

According to open event log, can record up to two hundred thousand open event, after more than cover the old records. Right Click here to Save Logs Right click on the links to select save target as the door log can export CSV format.



Field Name	Explanation		
Door Opening Lo	Door Opening Log		
Result	Show the results of door opening		
Door Opening	Ones the deer of time		
Time	Open the door of time.		
Duration	Duration of open the door.		
Access Name	If is the open the door for slot card or remote, will display remote access the name.		
	1. If open the door way to brush card shows card number		
Access ID	2. If the door way to open the door for the remote display the phone number of the		
Access ID	door.		
	3. If open the door way to open the door for local, no display information.		
Туре	Open type: 1 local; 2 remote; 3 valid; 4 invalid.		
Export CallLogs List			
Right Click here to	Right Click here to Save CallLogs, Right-click it and select save target to your computer.		



# (7) MAINTENANCE

# a) AUTO PROVISION

	AUTO PROVISION SYSLOG	CONFIG	UPDATE	ACCESS	REBOOT	
	Auto Provision Settings					
	Current Config Version					
> BASIC	Common Config Version					
	CPE Serial Number					
> NETWORK	User					
· HETWORK	Password					
> VoIP	Config Encryption Key					
, AOIL	Common Config Encryption Key					
· THITEDCOM	Download Fail Check Times	5				
> INTERCOM	Save Auto Provision Information					
	Download CommonConfig enabled	<b>~</b>				
› DOOR PHONE	Download DeviceConfig enabled	<b>V</b>				
> MAINTENANCE	DHCP Option Settings >>					
	Plug and Play (PnP) Settings >>					
› LOGOUT	Phone Flash Settings >>					
	TR069 Settings >>					
			Apply			

The equipment supports PnP, DHCP, and Phone Flash to obtain configuration parameters. They will be queried in the following order when the equipment boots.

DHCP option  $\rightarrow$  PnP server  $\rightarrow$ Phone Flash

Field Name	Explanation	
Auto Provision Settings		
	Show the current config file's version. If the version of configuration downloaded is	
Current Config	higher than this, the configuration will be upgraded. If the endpoints confirm the	
Version	configuration by the Digest method, the configuration will not be upgraded unless it	
	differs from the current configuration	
	Show the common config file's version. If the configuration downloaded and this	
Common Config	configuration is the same, the auto provision will stop. If the endpoints confirm the	
Version	configuration by the Digest method, the configuration will not be upgraded unless it	
	differs from the current configuration.	
CPE Serial	Serial number of the equipment	
Number	Serial number of the equipment	
User	Username for configuration server. Used for FTP/HTTP/HTTPS. If this is blank the	
Osei	phone will use anonymous	
Password	Password for configuration server. Used for FTP/HTTP/HTTPS.	
Config	Encryption key for the configuration file	
Encryption Key	Encryption key for the configuration file	

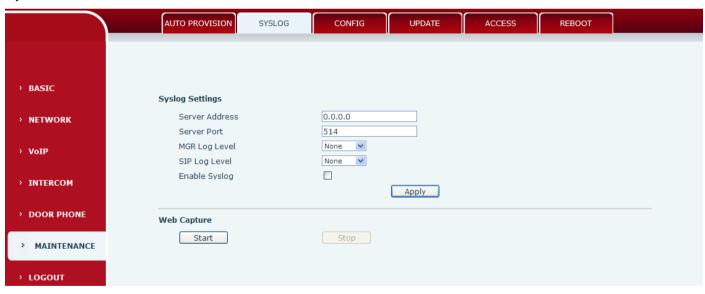


Field Name	Explanation		
Common Config	Encryption key for common configuration file		
Encryption Key	Encryption key for common comiguration me		
Download Fail	Download failed and check times		
Check Times	Download falled affu check tillles		
Save Auto	Save the auto provision username and password in the phone until the server url		
Provision	changes		
Information	Changes		
Download			
CommonConfig	Enable or disable download commonconfig		
enabled			
Download			
DeviceConfig	Enable or disable download deviceconfig		
enabled			
DHCP Option Sett	tings		
DHCP Option	The equipment supports configuration from Option 43, Option 66, or a Custom DHCP		
Setting	option. It may also be disabled.		
Setting	option: it may also be alsobled.		
Custom DHCP	Custom option number. Must be from 128 to 254.		
Option	Custom option number. Wast be from 128 to 254.		
Plug and Play(Pnl	P)Settings		
	If this is enabled, the equipment will send SIP SUBSCRIBE messages to a multicast		
Enable PnP	address when it boots up. Any SIP server understanding that message will reply with a		
Enable I III	SIP NOTIFY message containing the Auto Provisioning Server URL where the phones		
	can request their configuration.		
PnP server	PnP Server Address		
PnP port	PnP Server Port		
PnP Transport	PnP Transfer protocol – UDP or TCP		
PnP Interval	Interval time for querying PnP server. Default is 1 hour.		
Phone Flash Settings			
Server Address	Set FTP/TFTP/HTTP server IP address for auto update. The address can be an IP		
Server Address	address or Domain name with subdirectory.		
Config File	Specify configuration file name. The equipment will use its MAC ID as the config file		
Name	name if this is blank.		
Protocol Type	Specify the Protocol type FTP, TFTP or HTTP.		
Update Interval	Specify the update interval time. Default is 1 hour.		



Field Name	Explanation	
	1. Disable – no update	
Update Mode	2. Update after reboot – update only after reboot.	
	3. Update at time interval – update at periodic update interval	
TR069 Settings		
Enable TR069	Enable/Disable TR069 configuration	
Enable TR069	Enable or disable TROCO Warning Tone	
Warning Tone	Enable or disable TR069 Warning Tone	
ACS Server Type	Select Common or CTC ACS Server Type.	
ACS Server URL	ACS Server URL.	
ACS User	User name for ACS.	
ACS Password	ACS Password.	
TR069 Auto	Enable/Disable TD060 Auto Login	
Login	Enable/Disable TR069 Auto Login.	

## b) SYSLOG



Syslog is a protocol used to record log messages using a client/server mechanism. The Syslog server receives the messages from clients, and classifies them based on priority and type. Then these messages will be written into a log by rules which the administrator has configured.

There are 8 levels of debug information.

Level 0: emergency; System is unusable. This is the highest debug info level.

Level 1: alert; Action must be taken immediately.

Level 2: critical; System is probably working incorrectly.

Level 3: error; System may not work correctly.

Level 4: warning; System may work correctly but needs attention.



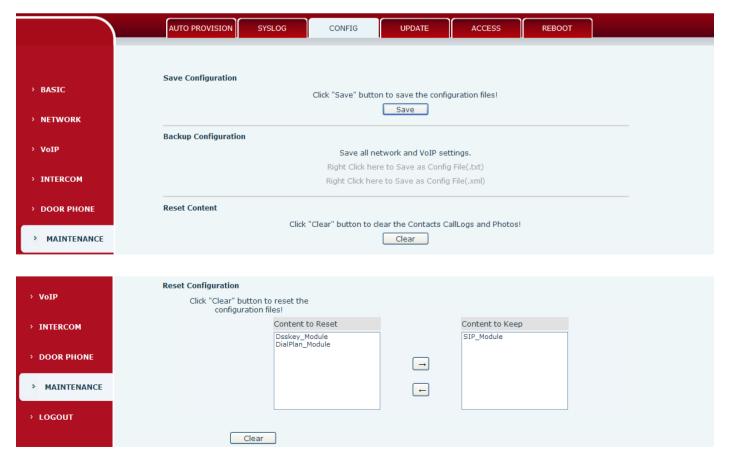
Level 5: notice; It is the normal but significant condition.

Level 6: Informational; It is the normal daily messages.

Level 7: debug; Debug messages normally used by system designer. This level can only be displayed via telnet.

Field Name	Explanation		
System log settin	System log settings		
Server Address	System log server IP address.		
Server port	System log server port.		
MGR log level	Set the level of MGR log.		
SIP log level	Set the level of SIP log.		
Enable syslog	Enable or disable system log.		
Web Capture			
Start	Capture a packet stream from the equipment. This is normally used to troubleshoot		
Start	problems.		
Stop	Stop capturing the packet stream		

# c) CONFIG





Field Name	Explanation
Save Configuration	Save the current equipment configuration. Clicking this saves all configuration changes and makes them effective immediately.
Backup Configuration	Save the equipment configuration to a txt or xml file. Please note to Right click on the choice and then choose "Save Link As."
Reset Content	Click the "clear" button can reset phone records and photos.
Reset Configuration	To reset the system and Automatic restart the equipment.

# d) UPDATE

This page allows uploading configuration files to the equipment.

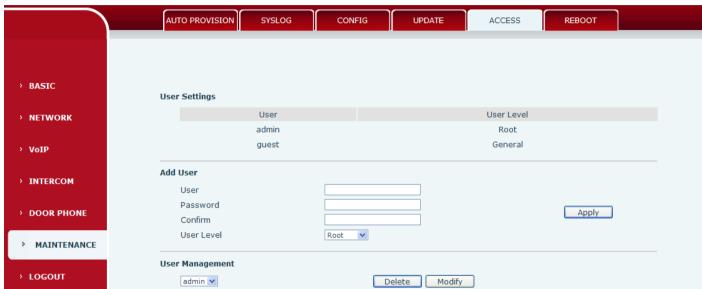


Field Name	Explanation
Web Update	Browse to the config file, and press Update to load it to the equipment. Various types of files can be loaded here including firmware, ring tones, local phonebook and config
	files in either text or xml format.



# e) ACCESS

Through this page, the user can accord need to add and remove users, can modify existing user permissions.



Field Name	Explanation			
User Settings				
User	shows the current user name			
User level	Show the user level; admin user can modify the configuration. General user can only			
	read the configuration.			
Add User				
User	Set User Account name			
Password	Set the password			
Confirm	Confirm the password			
User level	There are two levels. Root user can modify the configuration. General user can only			
	read the configuration.			
User Management				
Select the account and click Modify to modify the selected account. Click Delete to delete the selected				

### f) REBOOT

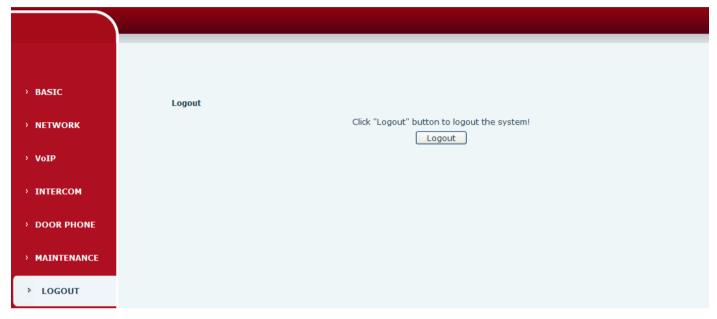
Some configuration modifications require a reboot to become effective. Clicking the Reboot button will cause the equipment to reboot immediately.

Note: Be sure to save the configuration before rebooting.

account. A General user can only add another General user.



# (8) LOGOUT



Click <Logout> from the web, visit next time when need to enter your user name and password.



# E. Appendix

# 1. Technical parameters

Main chipset   Freescale i.MX 6Quad
Key     DSS Key     1 or 2       Numeric keyboard     Support       Audio amplifier     3W       Volume control     Adjustable       Full duplex speakerphone     Support (AEC)       DTMF TYPE     In-band, Out-of-band(RFC 2833), SIP INFO       wideband speech code     G.722       Narrowband speech code     G711A/u, G.723.1, G.729AB, ILBC, AMR       Scope of broadband     64kbps~4Mbps       Video Framerate     10~30fps       resolution     CIF, QCIF, VGA, 4CIF, 720P(HD)
Numeric keyboard  Audio amplifier  Volume control  Full duplex speakerphone  DTMF TYPE  In-band, Out-of-band(RFC 2833), SIP INFO  wideband speech code  G.722  Narrowband speech code  G711A/u, G.723.1, G.729AB, ILBC, AMR  Scope of broadband  Video Framerate  10~30fps  resolution  CIF, QCIF, VGA, 4CIF, 720P(HD)
Audio amplifier  Volume control Full duplex speakerphone DTMF TYPE In-band, Out-of-band(RFC 2833), SIP INFO wideband speech code G.722 Narrowband speech code G711A/u, G.723.1, G.729AB, ILBC, AMR Scope of broadband Video Framerate 10~30fps resolution CIF, QCIF, VGA, 4CIF, 720P(HD)
Audio  Volume control Full duplex speakerphone Support (AEC) DTMF TYPE In-band, Out-of-band(RFC 2833), SIP INFO wideband speech code G.722 Narrowband speech code G711A/u, G.723.1, G.729AB, ILBC, AMR Scope of broadband 64kbps~4Mbps Video Framerate 10~30fps resolution CIF, QCIF, VGA, 4CIF, 720P(HD)
Audio  Full duplex speakerphone DTMF TYPE In-band, Out-of-band(RFC 2833), SIP INFO  wideband speech code G.722  Narrowband speech code G711A/u, G.723.1, G.729AB, ILBC, AMR  Scope of broadband 64kbps~4Mbps  Video Framerate 10~30fps  resolution CIF, QCIF, VGA, 4CIF, 720P(HD)
Audio  DTMF TYPE  In-band, Out-of-band(RFC 2833), SIP INFO  wideband speech code  G.722  Narrowband speech code  G711A/u, G.723.1, G.729AB, ILBC, AMR  Scope of broadband  64kbps~4Mbps  Video Framerate  10~30fps  resolution  CIF, QCIF, VGA, 4CIF, 720P(HD)
Wideband speech code  Narrowband speech code  Video  Video  DTMF TYPE  In-band, Out-of-band(RFC 2833), SIP INFO  G.722  Rarrowband speech code  G711A/u, G.723.1, G.729AB, ILBC, AMR  Scope of broadband  64kbps~4Mbps  Video Framerate  10~30fps  resolution  CIF, QCIF, VGA, 4CIF, 720P(HD)
Narrowband speech code G711A/u, G.723.1, G.729AB, ILBC, AMR  Scope of broadband 64kbps~4Mbps  Video Framerate 10~30fps  resolution CIF, QCIF, VGA, 4CIF, 720P(HD)
VideoScope of broadband64kbps~4MbpsVideo Framerate10~30fpsresolutionCIF, QCIF, VGA, 4CIF, 720P(HD)
VideoVideo Framerate10~30fpsresolutionCIF, QCIF, VGA, 4CIF, 720P(HD)
resolution CIF, QCIF, VGA, 4CIF, 720P(HD)
resolution CIF, QCIF, VGA, 4CIF, 720P(HD)
Video Codec H.263, H.264
,
Passive switch(relay) Normally open/Normally close, support 30V/1A AC/DC.
Port Active Switched Output 12V/700mA DC
External speakers Audio output (only support to fully functional version)
WAN 10/100BASE-TX s Auto-MDIX, RJ-45
EM4100 (125Khz)
RFID/IC card reader(relay) MIFARE One(13.56Mhz)
NFC
Power supply mode 12V / 1A DC or PoE
Cables CAT5 or better
Shell MaterialCast aluminium panel, Cast aluminium back shell
Working temperature -40°C to 70°C
Working humidity 10% - 95%
Storage temperature -40°C to 70°C
Installation way Wall mounted or In-wall
Dimension Wall mounted: 223*130*74mm
In-wall: 270*150*61mm



### 2. Basic functions

- 2 SIP Lines
- PoE Enabled
- Full-duplex speakerphone (HF)
- Numeric keypad (Dial pad or Password input)
- Intelligent DSS Keys (Speed Dial/intercom etc)
- Wall mounted / In-wall
- Special integrated noise reduction module
- Dual microphone Omnidirectional voice pickup
- Integrated RFID Card reader
- 1 indoor switch interface
- 1 electric lock relay
- Anti-tamper switch
- External power supply
- Door phone: call, password, RFID card, indoor switch
- Protection level: IP65, IK10, CE/FCC

# 3. Schematic diagram





# F. Other instructions

## 1. Open door modes

#### Local

### 1) Local Password

- ♦ Set <Local Password> (the default is "6789") via DOOR PHONE\DOOR PHONE as above.
- ♦ Use the device's keypad to input password and "#" key, then the door will be unlocked.

### 2) Private access code

- ♦ Set <Add Access Rule\Access Code> and enable local authentication.
- ♦ Use the device's keypad to input access code and "#" key, then the door will be unlocked.

### Remote

#### 1) Visitors call to owner

- ❖ Visitors call to owner via position speed dial or phone number. (When set the speed dial key, can press it to call direct.)
- ♦ The owner answers the call, with pressing the "\*" key to unlock the door for visitors.

#### 2) Owner calls to visitors

- ♦ Owner calls to visitors via SIP phone.
- ♦ SIP door phone answers the call automatically.
- ♦ Owner use keypad to input corresponding <Access codes> to unlock the door.

#### Slot cards

♦ Use pre assigned RFID cards to unlock the door, by touching RFID area of device.

### Indoor switch

❖ Press indoor switch, which is installed and connected with device, to unlock the door.

Day Start Time	06:00 (00:00-23:59)	Day End Time	18:00 (00:00-23:59)
Address of Log Server	0.0.0.0	Port of Log Server	514
Enable Log Server	Disable 🕶	Enable Indoor Open	Enable V
Enable Card Reader	Enable 💌	Limit Talk Duration	Disable Enable
Door Unlock Indication	Long beeps 💌	Remote Access Code Check Length	4 (1~6)
		Apply	



### 2. Management of card

### Add Administrator

There are 2 types of Administrator cards: issuer used for adding cards, revocation used for deleting cards.

### 1) Add<Issuer admin card >

Input a card's ID, selected <Issuer> in the types and Clicked <Add>, you can add Issuer admin card.

Add Administrator>>		
ID	0003476384	Add
Туре	Issuer	

## 2) Add<Revocation admin card>

Input a card's ID, selected <Revocation> in the types and Clicked <Add>, you can add Revocation admin card.



Administrator Table>>						
	ID	Date	Туре			
	0003476384	JAN 01 02:09:04	Issuer			
	0003408919	JAN 01 02:09:29	Revocation			

### Delete Administrator

Select the admin card of need to delete, click < Delete >.



#### Add user cards

Method 1: used to add cards for starters typically

1) In web page < Door card\Card Reader Setting> option, select < Card Issuing> function.



2) Click <Apply>, Card Reader would be entered the issuing status.

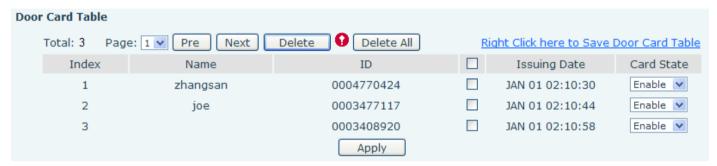




- 3) Use new card to touch card reader induction area, and then you might hear the confirmed indication tone from the device. Repeat step 3 to add more cards.
- 4) In web page <Door card\card reader Settings > option, select <normal> function.



- 5) Click < Apply>, Card Reader would be back to the Normal status.
- 6) The issuing records can be found from the door card table list.

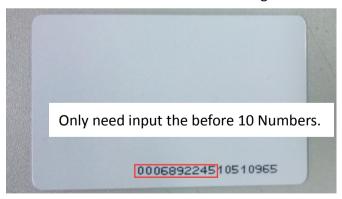


#### Methods 2: use to add few cards

1) Input cards number in door card settings page, and then click <Add>.



Note: you can also use the USB card reader connected with PC to get cards ID automatically.



### Method 3: used to add cards for professionals

- 1) Use < Issuer admin card > to touch card reader induction area, and it would be entered issuing card status.
- 2) Use new card to touch card reader induction area, and you might hear the confirmed indication tone from the device. Repeat step 2 to add more cards.
- 3) Use <lssuer admin card> to touch card reader induction area again, it would be back to normal working status.



#### Delete user cards

Method 1: used to batch delete cards for starters.

1) In web page <Door card →Card Reader Setting> option, select <Card revoking>.



2) Click <Apply>, Card Reader would be entered the revoking status.



- 3) Use card to touch card reader induction area, and you might hear the card reader confirmed indication tone. Repeat step 3 to delete more cards.
- 4) In web page <Door card →card reader Settings >option, select <normal>.



5) Click < Apply>, Card Reader would be back to the Normal status.

Method 2: used to batch add cards for intermediates.

- 1) Use < Revocation admin card> to touch card reader induction area, and it would be entered revoking card status.
- 2) Use the cards you want to delete from system, to touch card reader induction area, and you might hear the card reader confirmed indication tone. Repeat step 2 to delete cards.
- 3) Use <Revocation admin card> to touch card reader induction area, and it would be back to card read only status.

Method 3: use to batch delete cards or delete few cards.

1) In web page<Door Card Table>select the card ID and then click <Apply>.

**Note:** If you click <Delete All>, system will delete all the ID cards.

